

M 5.8, Chiapas, Mexico

Origin Time: 2023-08-09 09:33:26 UTC (Wed 04:33:26 local)
Location: 16.1930° N 93.5776° W Depth: 103.0 km

PAGER
Version 5

Created: 1 week, 6 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

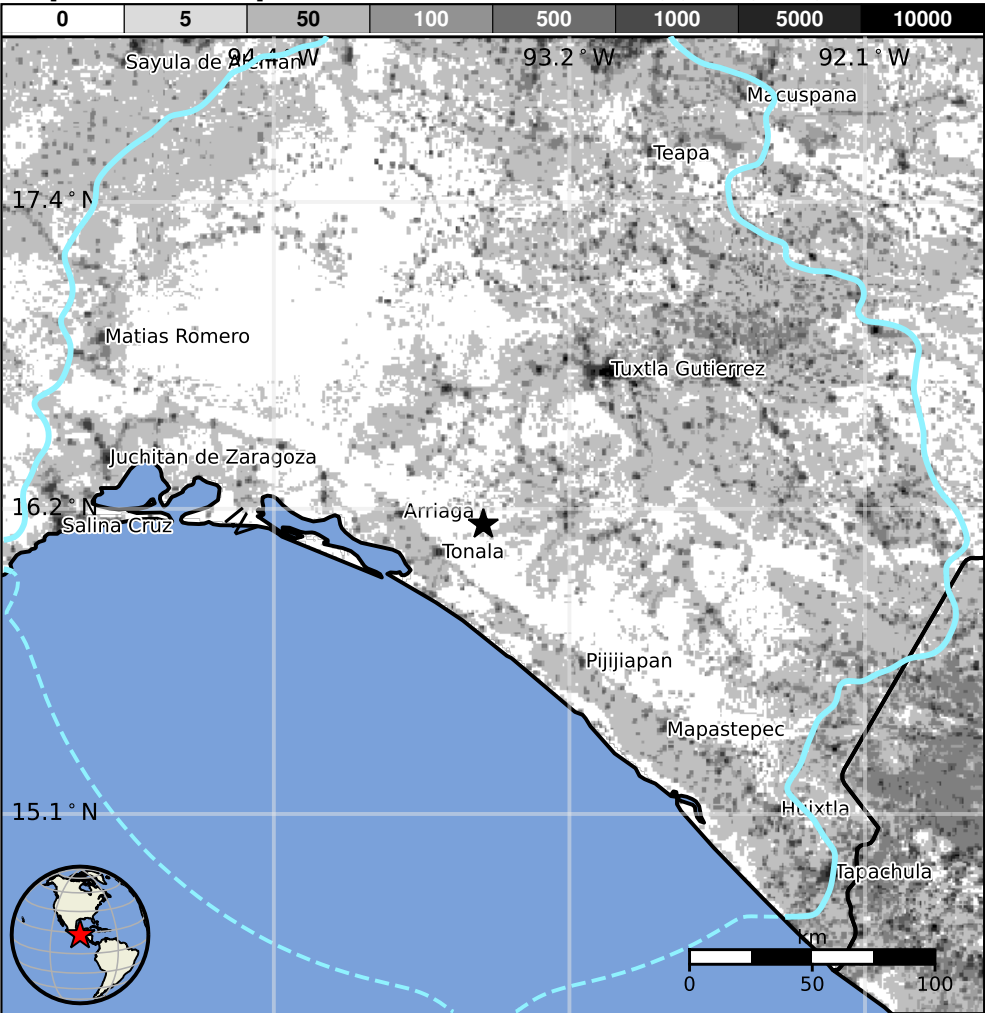


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	3,234k*	6,996k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1975-11-05	112	5.0	VI(21k)	1
1976-03-13	320	5.4	VII(43k)	4
1973-08-28	393	7.2	VII(847k)	600

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Julian Grajales	1k
IV	Doctor Domingo Chanona	3k
IV	Libertad Melchor Ocampo	1k
IV	Nueva Palestina	1k
IV	Tres Picos	5k
IV	Tonalá	33k
IV	Tuxtla	481k
IV	San Cristobal de las Casas	129k
IV	Tapachula	198k
III	San Marcos	25k
III	Retalhuleu	37k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
<https://earthquake.usgs.gov/earthquakes/eventpage/us6000kyty#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000kyty